

Detailed Data Tables: Women at Risk

Table 1. People diagnosed with HIV infection by gender: Massachusetts, 2002-2004¹		
	HIV 2002-2004	
Gender:	N	%
Male	1913	69%
Female	857	31%
TOTAL	2,770	100%
¹ Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 7/1/05		

Table 2. People living with HIV/AIDS on December 31, 2004 by gender: Massachusetts		
	HIV/AIDS	
Gender:	N	%
Male	10,871	71%
Female	4,418	29%
TOTAL	15,289	100%
Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding); Data as of 7/1/05		

Table 3. People diagnosed with HIV infection by Health Service Region (HSR)¹ and gender: Massachusetts, 2002-2004²

Health Service Region:	Male		Female		Total
	N	%	N	%	N
Boston HSR	680	74%	245	26%	925
Central HSR	145	56%	114	44%	259
Metro West HSR	251	68%	118	32%	369
Northeast HSR	278	66%	145	34%	423
Southeast HSR	267	74%	94	26%	361
Western HSR	210	62%	128	38%	338
Prisons ³	82	86%	13	14%	95
MA Total	1,913	69%	857	31%	2,770

¹ Reflects the health service region of a person's residence at the time of report (not necessarily current residence); See Epidemiologic Profile General Appendices, Health Service Region Maps, available at http://www.mass.gov/dph/aids/research/profile2005/app5_hrs_maps.pdf for configuration of health service regions

² Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

³ HSRs are regions defined geographically to facilitate targeted health service planning. While prisons do not constitute an HSR, the prison population is presented separately in this analysis because of its unique service planning needs. Prisons include only persons who were diagnosed with HIV/AIDS while in a correctional facility

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 7/1/05

Table 4. People living with HIV/AIDS on December 31, 2004 by Health Service Region (HSR)¹ and gender: Massachusetts

Health Service Region	Male		Female		Total
	N	%	N	%	N
Boston HSR	3,783	76%	1,202	24%	4,985
Central HSR	823	61%	524	39%	1,347
Metro West HSR	1,336	71%	536	29%	1,872
Northeast HSR	1,473	68%	697	32%	2,170
Southeast HSR	1,505	71%	625	29%	2,130
Western HSR	1,100	62%	686	38%	1,786
Prison ²	846	85%	145	15%	991
MA Total³	10,871	71%	4,418	29%	15,289

¹ Reflects the health service region of a person's residence at the time of report (not necessarily current residence); See Epidemiologic Profile General Appendices, Health Service Region Maps, available at http://www.mass.gov/dph/aids/research/profile2005/app5_hrs_maps.pdf for configuration of health service regions

² HSRs are regions defined geographically to facilitate targeted health service planning. While prisons do not constitute an HSR, the prison population is presented separately in this analysis because of its unique service planning needs. Prisons include only persons who were diagnosed with HIV/AIDS while in a correctional facility

³ MA Total includes 8 people living with HIV/AIDS with unknown residence at time of report

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding); Data as of 7/1/05

Table 5. Top 10 cities/towns¹ in Massachusetts by proportion of women among HIV infection diagnoses (HIV DX): 2002-2004²

Rank	City/Town	Number of HIV DX among women	Percent of Total HIV DX
1	Lowell	44	48.9%
2	Worcester	78	48.2%
3	Framingham	16	45.7%
4	Lynn	23	45.1%
5	Brockton	30	43.5%
6	Springfield	89	43.0%
7	Lawrence	28	42.4%
8	Chelsea	14	37.8%
9	Chicopee	8	36.4%
10	Holyoke	16	35.6%

¹ Among cities/towns with over 20 reported HIV infection diagnoses in the years 2002-2004. Note: reflects the city/town of a person's residence at the time of report (not necessarily current residence). People diagnosed while at a correctional facility are not included.

² Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis
Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding); Data as of 7/1/05

Table 6. People diagnosed with HIV infection by gender and race/ethnicity: Massachusetts, 2002-2004¹

Race/Ethnicity:	Male		Female	
	N	%	N	%
White Non-Hispanic	913	48%	166	19%
Black Non-Hispanic	491	26%	415	48%
Hispanic	455	24%	241	28%
Asian/Pacific Islander	31	2%	15	2%
American Indian/Alaska Native	2	<1%	2	<1%
Unknown	21	1%	18	2%
Total	1,913	100%	857	100%

¹ Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis;

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding); Data as of 7/1/05

Table 7. People living with HIV/AIDS on December 31, 2004 by gender and race/ethnicity: Massachusetts				
	Male		Female	
Race/Ethnicity:	N	%	N	%
White Non-Hispanic	5,660	52%	1,353	31%
Black Non-Hispanic	2,461	23%	1,730	39%
Hispanic	2,546	23%	1,243	28%
Asian/Pacific Islander	134	1%	43	1%
American Indian/Alaska Native	10	<1%	12	<1%
Not Specified	60	1%	37	1%
Total	10,871	100%	4,418	100%
Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 7/1/05				

Table 8. Crude and age-adjusted rates of diagnosis of HIV infection per 100,000 population by race/ethnicity and gender: average annual rate 2002 – 2004¹, Massachusetts		
State total:	Crude rate per 100,000	Age-adjusted rate per 100,000
White (non-Hispanic)	6.8	6.5
Black (non-Hispanic)	89.7	92.3
Hispanic	54.1	64.1
Asian/Pacific Islander	6.2	5.9
American Indian/Alaskan Native	11.6	10.7
Total rate	14.5	14.1
Males:	Crude rate per 100,000	Age-adjusted rate per 100,000
White (non-Hispanic) Males	11.9	11.3
Black (non-Hispanic) Males	100.9	108.0
Hispanic Males	71.6	89.4
Asian/Pacific Islander Males	8.6	7.8
American Indian/Alaskan Native Males	11.7	10.7
Total rate among males	20.8	20.0
Females:	Crude rate per 100,000	Age-adjusted rate per 100,000
White (non-Hispanic) Females	2.0	2.0
Black (non-Hispanic) Females	79.3	78.8
Hispanic Females	37.0	42.0
Asian/Pacific Islander Females	4.0	4.0
American Indian/Alaskan Native Females	11.5	10.8
Total rate among females	8.7	8.6
¹ Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis Note: The denominators for rate calculations are based on year 2000 population estimates from the MDPH Center for Health Information, Statistics, Research and Evaluation Data Source: MDPH HIV/AIDS Surveillance Program, Data as of 7/1/05		

Table 9. Crude and age-adjusted HIV/AIDS prevalence per 100,000 population on December 31, 2004 by race/ethnicity and gender: Massachusetts

State Total:	Crude rate per 100,000	Age-adjusted rate per 100,000
White (non-Hispanic)	131.7	125.3
Black (non-Hispanic)	1,245.3	1,341.6
Hispanic	883.8	1,141.6
Asian/Pacific Islander	72.0	75.2
American Indian/Alaskan Native	191.5	179.7
Total prevalence	240.8	235.1
Males:	Crude rate per 100,000	Age-adjusted rate per 100,000
White (non-Hispanic) Males	221.2	206.9
Black (non-Hispanic) Males	1,517.3	1,711.5
Hispanic Males	1,202.6	1,652.4
Asian/Pacific Islander Males	111.1	118.2
American Indian/Alaskan Native Males	174.9	166.6
Total prevalence among males	355.4	343.7
Females:	Crude rate per 100,000	Age-adjusted rate per 100,000
White (non-Hispanic) Females	48.9	47.7
Black (non-Hispanic) Females	992.2	1,023.3
Hispanic Females	572.7	691.3
Asian/Pacific Islander Females	34.4	34.4
American Indian/Alaskan Native Females	207.8	192.6
Total prevalence among females	134.3	132.6
¹ The denominators for prevalence calculations are based on year 2000 population estimates from the MDPH Bureau of Health Statistics, Research and Evaluation Data Source: MDPH HIV/AIDS Surveillance Program, Data as of 7/1/05		

Table 10. People diagnosed with HIV infection within the years 2002-2004¹ by gender and place of birth: Massachusetts

Race/Ethnicity:	Male		Female	
	N	%	N	%
United States (US)	1,309	68%	402	47%
Puerto Rico/US Dependency ²	169	9%	105	12%
Non-US	435	23%	350	41%
Total	1,913	100%	857	100%

¹ Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² Ninety-three percent of people diagnosed with HIV infection from 2002-2004 who were born in a US dependency were born in Puerto Rico and 7% were born in an unknown US dependency

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding); Data as of 7/1/05

Table 11. People living with HIV/AIDS on December 31, 2004 by gender and place of birth: Massachusetts

Race/Ethnicity:	Male		Female	
	N	%	N	%
United States (US)	7,977	73%	2,741	62%
Puerto Rico/US Dependency ¹	1,280	12%	592	13%
Non-US	1,614	15%	1,085	25%
Total	10,871	100%	4,418	100%

¹ Ninety-four percent of people living with HIV/AIDS who were born in a US Dependency were born in Puerto Rico, <1% were born in the US Virgin Islands, and 6% were born in an unknown dependency.

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 7/1/05

Table 12. People diagnosed with HIV infection by gender and exposure mode: Massachusetts, 2002-2004¹

Exposure Mode:	Male		Female	
	N	%	N	%
Male-to-Male Sex (MSM)	884	46%	N/A	N/A
Injection Drug Use (IDU)	300	16%	141	16%
MSM/IDU	57	3%	N/A	N/A
Heterosexual Sex	130	7%	217	25%
Other	21	1%	15	2%
Total Undetermined	521	27%	484	56%
• Presumed Heterosexual Sex ²	286	15%	356	42%
• Undetermined ³	235	12%	128	15%
Total	1,913	100%	857	100%

¹ Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² Heterosexual sex with partners with unknown risk and HIV status

³ Includes those still being followed up for risk information, those who have died with no determined risk and those lost to follow-up;

N/A = Not Applicable; Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 7/1/05

Note: The category of “presumed heterosexual” is used in Massachusetts to re-assign people who are reported with no identified risk but who are known to have not reported any other risks except heterosexual sex with a partner of unknown HIV status or risk. Massachusetts uses this category to distinguish these cases from other undetermined cases about which we know less. Nationally, the Centers for Disease Control and Prevention categorizes “presumed heterosexual” cases as “no identified risk” (NIR). As such, comparisons of the presumed heterosexual category cannot be made to national data. Caution should be used in interpreting data for presumed heterosexual, as it is still not clear what the exposure risk is for people in this category. Although a person may not report other risk behaviors such as injection drug use or male-to-male sex to his/her health care provider, it does not necessarily mean that he/she has not engaged in them. There are many barriers to disclosing HIV risk behaviors in the health care setting such as a limited patient-provider relationship or stigma.

Table 13. People living with HIV/AIDS on December 31, 2004 by gender and exposure mode: Massachusetts

Exposure Mode:	Male		Female	
	N	%	N	%
Male-to-male sex (MSM)	5,003	46%	N/A	N/A
Injection drug use (IDU)	2,900	27%	1,388	31%
MSM/IDU	479	4%	N/A	N/A
Total Heterosexual Sex (HTSX)	622	6%	1,434	32%
• HTSX w/ IDU	169	2%	710	16%
• HTSX w/ bisexual male	0	0%	32	1%
• HTSX w/ blood/blood products ¹	7	<1%	18	<1%
• HTSX w/ person w/HIV/AIDS	446	4%	674	15%
Other	231	2%	176	4%
Total Undetermined	1,636	15%	1,420	32%
• Presumed heterosexual sex ²	1,064	10%	1,171	27%
• Undetermined ³	572	5%	249	6%
Total	10,871	100%	4,418	100%

¹ Heterosexual sex with a person who received blood/blood products
² Heterosexual sex with partners with unknown risk and HIV status
³ Includes those still being followed up for risk information, those who have died with no determined risk, those lost to follow-up, and one person with confirmed occupational exposure; N/A=Not Applicable
 Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 7/1/05

Table 14. Females diagnosed with HIV infection by race/ethnicity¹ and exposure mode: Massachusetts, 2002-2004²

Exposure Mode:	White NH		Black NH		Hispanic		API	
	N	%	N	%	N	%	N	%
IDU	61	37%	32	8%	45	19%	1	7%
HTSX	34	20%	84	20%	87	36%	7	47%
Other	5	3%	3	1%	7	3%	0	0%
Total								
Undetermined	66	40%	296	72%	102	42%	7	47%
Pres. HTSX ⁴	50	30%	227	55%	72	30%	3	20%
Undetermined ⁵	16	10%	69	17%	30	12%	4	27%
Total	166	100%	415	100%	241	100%	15	100%

¹ Data for American Indian/Alaska Native and Other/Unknown race/ethnicity are not presented due to small numbers

² Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis;

³ Percentages calculated from a numerator of less than 5 and a denominator of less than 100 are not presented

⁴ Heterosexual sex with partners with unknown risk and HIV status

⁵ Includes those still being followed up for risk information, those who have died with no determined risk and those lost to follow-up
 NH = Non-Hispanic, API = Asian/Pacific Islander, MSM = Male-to-male sex, IDU = Injection Drug Use, HTSX = Heterosexual Sex, Pres. HTSX = Presumed Heterosexual Sex

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 7/1/05

Table 15. Females living with HIV/AIDS on December 31, 2004 by race/ethnicity¹ and exposure mode: Massachusetts

	White NH		Black NH		Hispanic		API	
	N	%	N	%	N	%	N	%
IDU	679	50%	325	19%	370	30%	-- ²	-- ²
HTSX	369	27%	498	29%	533	43%	19	44%
Other	52	4%	65	4%	55	4%	-- ²	-- ²
Total Undetermined	253	19%	842	48%	285	23%	18	42%
• Pres. HTSX ³	203	15%	714	41%	230	19%	11	26%
• Undetermined ⁴	50	4%	128	7%	55	4%	7	16%
Total	1,353	100%	1,730	100%	1,243	100%	43	100%

¹ Data for American Indian/Alaska Native and Other/Unknown race/ethnicity are not presented due to small numbers

² Percentages calculated from a numerator of less than 5 and a denominator of less than 100 are not presented

³ Heterosexual sex with partners with unknown risk and HIV status

⁴ Includes those still being followed up for risk information, those who have died with no determined risk and those lost to follow-up, and one person with confirmed occupational exposure

NH = Non-Hispanic, API = Asian/Pacific Islander, AI/AN = American Indian/Alaska Native, IDU = Injection Drug Use, HTSX = Heterosexual Sex, P. HTSX = Presumed Heterosexual Sex

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 7/1/05

Table 16. People Diagnosed with HIV Infection within the years 2002-2004¹ by Gender and Age at HIV Diagnosis: MA

Age (years):	Males		Females	
	N	%	N	%
Under 13	11	1%	14	2%
13 to 19	25	1%	22	3%
20 to 24	108	6%	70	8%
25 to 29	175	9%	120	14%
30 to 34	309	16%	153	18%
35 to 39	429	22%	148	17%
40 to 44	352	18%	141	16%
45 to 49	226	12%	105	12%
50+	278	15%	84	10%
Total	1,913	100%	857	100%

¹ Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis
Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding); Data as of 7/1/05

Table 17. Number of sexual partners in the past year¹, female BRFSS respondents ages 18-64 Massachusetts, 2004				
	0 Partners	1 Partner	2+ Partners	N²
Total Females	17%	78%	5%	1,562
Age in Years:	0 Partners	1 Partner	2+ Partners	N
18-24	20%	66%	14%	114
25-34	7%	86%	7%	323
35-44	10%	87%	3%	399
45-64	28%	71%	1%	726
Race/Ethnicity³:	0 Partners	1 Partner	2+ Partners	N
White NH	16%	79%	5%	1,264
Black NH	38%	56%	6%	68
Hispanic	21%	71%	8%	163
Sex of Partner⁴:	0 Partners	1 Partner	2+ Partners	N
Same sex	Not Applicable	95%	5%	62
Opposite sex	Not Applicable	95%	5%	1109
NH= Non-Hispanic ¹ "Number of sexual partners in past year" is a state-added question administered to a sub-sample of BRFSS respondents. ² Only respondents with known values are included in this table. Column sub-totals may not equal overall total due to missing values. ³ Data for Asian is not presented due to small numbers ⁴ Only asked of sexually active adults Data source: Massachusetts Behavioral Risk Factor Surveillance System (BRFSS), 2004				

Table 18. Total reported AIDS cases by gender and year of diagnosis: Massachusetts, 1985 – 2004

By Year:	Male		Female		Total
	N	%	N	%	
1985	204	90%	22	10%	226
1990	885	82%	194	18%	1,079
1995	1,060	76%	339	24%	1,399
1996	854	74%	307	26%	1,161
1997	683	74%	234	26%	917
1998	694	72%	267	28%	961
1999	670	73%	245	27%	915
2000	538	70%	230	30%	768
2001	471	68%	219	32%	690
2002	456	71%	188	29%	644
2003	356	67%	176	33%	532
2004 ¹	359	69%	164	31%	523

¹ 2004 data are preliminary

Data Source MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 7/1/05

Table 19. Deaths among persons reported with AIDS by gender and year of death: Massachusetts, 1985 - 2004¹

Year	Male		Female		Total
	N	%	N	%	N
1985	107	90%	12	10%	119
1990	556	88%	76	12%	632
1995	943	80%	241	20%	1,184
1996	630	79%	165	21%	795
1997	288	74%	100	26%	388
1998	253	76%	79	24%	332
1999	267	77%	82	23%	349
2000	247	74%	88	26%	335
2001	265	72%	104	28%	369
2002	226	72%	90	28%	316
2003	178	70%	77	30%	255
2004 ¹	201	75%	68	25%	269

¹ 2004 data are preliminary

Data Source MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 7/1/05